**PROPOSED DEVELOPMENT AND CONSTRUCTION OF PLOT C SALES GALLERY KOLSHET BY LODHA**

| ITEM NO. | ITEM DESCRIPTION | UNIT | TOTAL QTY. | RATE | AMOUNT | |
|---|---|---|---|---|---|---|
| | | | | | Rs. | Paise |
| | | | | | | |
| | **PLUMBING WORK** | | | | | |
| | | | | | | |
| | *Include for the supply & complete installation, Testing & Commissioning as detailed in Specifications & on the drawings in the water supply system and on the ....etc., cont'd.* | | | | | |
| | *water pipe work including fittings, bends, tees, fixing accessories, Encasing wherever required,cassleeves,supports, painting etc., complete, etc., in External services for Sales Gallery (Irrigation Water + municipal inlet + Domestic Water line+ Flushing Water line etc).* | | | | | |
| | | | | | | |
| **A** | **IRRIGATION WATER SUPPLY WORK** | | | | | |
| | | | | | | |
| 1 | GI B Class Pipes (IS:1239) / (IS:11722) with grooved / threaded fittings and shall be coupled with rigid / flexible couplings. | | | | | |
| 1.1 | 15 mm dia | M | - | | | |
| 1.2 | 20 mm dia | M | 60 | | | |
| 1.3 | 25 mm dia | M | 42 | | | |
| **1.4** | **32 mm dia** | **M** | **80** | | | |
| 1.5 | 40 mm dia | M | - | | | |
| 1.6 | 50 mm dia | M | - | | | |
| 1.7 | 65 mm dia | M | - | | | |
| | | | - | | | |
| 2 | Supply of 50 meter long flexible PVC garden hose with polyester yarn reinforcement, along with the hose reel and it`s accessories complete. | Nos. | 2 | | | |
| | | | | | | |
| 3 | Excavation for pipe lines including trimming bottom and sides cutting for sockets, ramming of bottom refilling as required layers with 'selected excavated earth, disposal of surplus earth etc. complete. | CU.M. | QR | | | |
| | | | | | | |
| 4 | Providing and filling in sand boxing in pipeline or for foundation with sand of approved quality including watering compaction etc completes as direction by engineer. | CU.M. | QR | | | |
| | | | | | | |
| 5 | Providing and removing open or closed shoring and strutting in the trenches/ pits for all depths as per specifications/ drawings and or as directed by Engineer-in-charge etc. complete. | SQ.M. | QR | | | |
| | | | | | | |
| **B** | **DOMESTIC & FLUSHING WATER SUPPLY WORK** | | | | | |
| | | | | | | |
| 1 | GI B Class Pipes (IS:1239) / (IS:11722) with grooved / threaded fittings and shall be coupled with rigid / flexible couplings. | | | | | |
| 1.1 | 25 mm dia | M | 72 | | | |
| 1.2 | 25 mm dia | M | - | | | |
| 1.3 | 32 mm dia | M | - | | | |
| 1.4 | 40 mm dia | M | - | | | |
| 1.5 | 50 mm dia | M | - | | | |
| 1.6 | 65 mm dia | M | 20 | | | |
| 1.7 | 80 mm dia | M | - | | | |
| 1.8 | 100 mm dia | M | - | | | |
| 1.9 | 150 mm dia | M | - | | | |
| 2.0 | 200 mm dia | M | - | | | |
| 2.1 | 250 mm dia | M | - | | | |
| | | | | | | |
| 2 | **Butterfly valve** | | | | | |
| | Heavy quality Butterfly Valve Slim seal type including flanges and nuts and bolts etc complete as required for above 65 mm dia. (Butterfly valve shall be of CI material of suitable class as per the drawings, schematics, specifications) | | | | | |
| 2.1 | 65 mm dia (PN 10) | Nos. | 6 | | | |
| 2.2 | 80 mm dia (PN 10) | Nos. | - | | | |
| 2.3 | 100 mm dia (PN 10) | Nos. | - | | | |
| 2.4 | 150 mm dia (PN 10) | Nos. | - | | | |
| 2.5 | 65 mm dia (PN 10) | Nos. | - | | | |
| 2.6 | 80 mm dia (PN 10) | Nos. | - | | | |
| 2.7 | 100 mm dia (PN 10) | Nos. | - | | | |
| 2.8 | 150 mm dia (PN 10) | Nos. | - | | | |
| 2.9 | 200 mm dia (PN 10) | Nos. | - | | | |
| | | | | | | |
| 3 | **Non return valve** | | | | | |
| | Heavy quality Non return valve (NRV) complete as required as per IS 778-1984 (NRV shall be of dual plate Brass / CI body, bronze / SS plate, SS 316 hinge pins and springs and Buna-N seals to ANSI series 125 as per specifications) | | | | | |
| 3.1 | 65 mm dia (PN 10) | Nos. | 2 | | | |
| 3.2 | 80 mm dia (PN 10) | Nos. | - | | | |
| 3.3 | 100 mm dia (PN 10) | Nos. | - | | | |
| | | | | | | |
| 4 | **Y-strainer** | | | | | |


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| | | | | | | |
|---|---|---|---|---|---|---|
| | Heavy quality Y-Strainer complete as required as per specifications. (Y-strainer shall be of Brass / CI body of suitable as per drawings, schematics. Strainer shall incorporate removable SS screen with 3.175 mm perforations and permanent magnet) | | | | | |
| 4.1 | 65 mm dia (PN 10) | Nos. | 2 | | | |
| 4.2 | 80 mm dia (PN 10) | Nos. | - | | | |
| 4.3 | 100 mm dia (PN 10) | Nos. | - | | | |
| | | | | | | |
| 5 | **Ball valve** | | | | | |
| | Heavy quality Ball Valve complete as per specifications for below 65 mm dia. (Ball, body, bonnet shall be brass and handle shall be MS conforming to IS 6912) | | | | | |
| 5.1 | 15 mm dia | Nos. | - | | | |
| 5.2 | 20 mm dia | Nos. | 4 | | | |
| 5.3 | 25 mm dia | Nos. | 1 | | | |
| 5.4 | 32 mm dia | Nos. | - | | | |
| 5.5 | 40 mm dia | Nos. | - | | | |
| 5.6 | 50 mm dia | Nos. | 5 | | | |
| | | | | | | |
| | **PUMPS & EQUIPMENTS** | | | | | |
| 6 | Booster pump package as per indicated Flow rate and head , consisting of SS vertical inline multistage centrifugal pump, control panel,pressure switches, control wiring. Each pump shall have TEFC 2900 RPM three phase electric motor. The pump shall have cast iron head, base plate SS Shaft/ Impeller/ Intermediate chamber. Pump shall be provided with mechanical seal. The pump package shall be suitable for auto/ manual operation.Package shall be complete with control panel along with necessary control panel,suction/discharge headers,skid, vibration isolators as specified in specification. | Sets | 1 | | | |
| | Booster Pump (1W+1S) | | 2 | | | |
| | Flow- 11.5 m3/hr | | | | | |
| | Head- 30 m | | | | | |
| | | | | | | |
| 7 | Flexible coupling connection for all water supply branch piping work with complete. | Sets | 1 | | | |
| | | | | | | |
| 8 | Interfacing with Tank with pipe connection with all accessories, fittings,valve & flanges. Complete. | LS | 1 | | | |
| | | | | | | |
| 9 | Thrust block or Thrust supports for all pipes. | LS | 1 | | | |
| | | | | | | |
| 10 | Pump set including all controls, local motor control panel, VFD, wiring, valves,NRV,BF,strainer, piping, accessories, vibration isolators, pressure gauge,pressure switches, etc., complete as required. | | | | | |
| | | | | | | |
| 11 | Closed diaphragm pressure vessel of 100Litres capacity,polyethylene material with a pressure gauge and isolating valve as specified in specifications. | Nos. | 1 | | | |
| | | | | | | |
| 12 | Brick Masonary Valve Chamber with DI Double seal type Cover | | | | | |
| | 600mm x 600mm | Nos. | 1 | | | |
| | | | | | | |
| | *Include for the supply & complete installation as detailed in the Soil specifications and on the Drawings and to the complete satisfaction and approval of the Engineer and all concerned Statutory Authorities and under the following sections.* | | | | | |
| | | | | | | |
| | *Pipe work of any kind (waste, soil, condensate, vent, rainwater etc) including fittings, rodding eyes, protection barriers, supports, accessories, cleanout plugs, velocity breaking arrangement, etc., complete as required.* | | | | | |
| | | | | | | |
| **C** | **PLANTER & BASEMENT AREA DRAIN WORK** | | | | | |
| | | | | | | |
| 1 | **uPVC Pipe** (Class 3, 6 kg/sq.cm pressure rating) conforming to IS:4985 including Fittings conforming to IS:7834 with Solvent Joints / Ring Joints. **(Planter / Landscape Area Drain)** | | | | | |
| 1.1 | 75 mm dia pipe | M | - | | | |
| 1.2 | 90 mm dia pipe | M | - | | | |
| 1.3 | 110 mm dia pipe | M | - | | | |
| 1.4 | 160 mm dia pipe | M | 36 | | | |
| 1.5 | 200 mm dia pipe | M | - | | | |
| | | | | | | |
| 2 | **Floor Drain / Floor Trap** Type-FD / FT **(Planter / Landscape Area Drain)** | | | | | |
| 2.1 | 80 mm dia Pipe | Nos. | - | | | |
| 2.2 | 100 mm dia Pipe (Top Outlet) | Nos. | - | | | |
| 2.3 | 100 mm dia Pipe (Side Outlet) | Nos. | - | | | |
| 2.4 | 150 mm dia Pipe | Nos. | 6 | | | |
| | | | | | | |
| | | | | | | |
| | *Include for the supply & complete installation as detailed in the Soil specifications and on the Drawings and to the complete satisfaction and approval of the Engineer and all concerned Statutory Authorities and under the following sections.* | | | | | |
| | | | | | | |
| | *Pipe work of any kind (waste, soil, condensate, vent, rainwater etc) including fittings, rodding eyes, protection barriers, supports, accessories, cleanout plugs, velocity breaking arrangement, etc., complete as required.* | | | | | |
| | | | | | | |
| **E** | **MANHOLE COVERS & UG TANK CONNECTIONS** | | | | | |
| | | | | | | |


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| | | | | | | |
|---|---|---|---|---|---|---|
| | ~~The following including all fittings, fixings, accessories, cover frame, etc., complete as required. (cont'd)~~ | | | | | |
| | | | | | | |
| | ~~All M.S. Angles etc. must be hot dip galvanized.~~ | | | | | |
| | | | | | | |
| ~~1~~ | ~~**Water Tank Manhole Cover** (Light duty of CI material as per specifications)~~ | | | | | |
| ~~2~~ | ~~Manhole Cover (600 mm)~~ | ~~Nos.~~ | ~~2~~ | | | |
| | | | | | | |
| - | ~~**Water Tank Connection** (UG Tanks for Domestic, Flushing, Irrigation, Rain Water, Softener etc.) with Fittings, Float Valves, Inlet Pipe, Discharge Pipe, Vent Pipe, Drain Pipe, Overflow Pipe, Rungs, Accessories, Valves, Supports, Warning Pipe, Ladders, Partition, Low and High Level Captive / Ultrasonic Level Sensors / Solenoid Valve, Tank Manhole Covers , etc., complete as required. Connections including required Labour and Material.~~ | ~~Sets~~ | ~~1~~ | | | |
| | | | | | | |
| **E** | **WATER SUPPLY TANK** | | | | | |
| | | | | | | |
| 1 | Providing and placing at location shown in drawings, polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | | | | | |
| 1.1 | 10,000 Litres | Nos. | 2 | | | |
| | | | | | | |
| | *Include for the supply & complete installation as detailed in the Soil specifications and on the Drawings and to the complete satisfaction and approval of the Engineer and all concerned Statutory Authorities and under the following sections.* | | | | | |
| | | | | | | |
| | *Pipe work of any kind (waste, soil, condensate, vent, rainwater etc) including fittings, rodding eyes, protection barriers, supports, accessories, cleanout plugs, velocity breaking arrangement, etc., complete as required.* | | | | | |
| | | | | | | |
| **F** | **SEWER WATER DRAIN WORK** | | | | | |
| | | | | | | |
| 1 | Buried Piping - Providing, laying, jointing PVC Foam Core pipe with Class 8 SDR 34. | | | | | |
| 1.1 | 110 mm dia pipe | M | 48 | | | |
| 1.2 | 160 mm dia pipe | M | 95 | | | |
| | | | | | | |
| 2 | Insitu Concrete **Sewer Water Inspection Chamber** of the following size including dewatering, excavation, shoring, backfilling, blinding, building in pipes for future connection, with benching. GRP internal liner, bituminous, external water proofing membrane protection, corbelling, supply and installation of standard, Heavy Duty manhole cover and frame with clear opening as mentioned below all as shown on Standard detail drawing with Depth not exceeding more than 5.0 m . Complete as required. | | | | | |
| ~~2.1~~ | ~~450 mm x 450 mm~~ | ~~Nos.~~ | ~~2~~ | | | |
| 2.2 | 600 mm x 600 mm | Nos. | 1 | | | |
| 2.3 | 900 mm x 800 mm | Nos. | 3 | | | |
| ~~2.4~~ | ~~1200 mm x 900 mm~~ | ~~Nos.~~ | ~~4~~ | | | |
| | | | | | | |
| 3 | Gully trap with DI Double seal cover and frame including embedding the trap in cement concrete 1:2:4 construction of brick masonry chamber as per internal clear size below & outlet et as per standared detail drawing. | | | | | |
| 3.1 | 300mm X 300mm | Nos. | 3 | | | |
| | | | | | | |
| 2 | Constructing **Grease Trap** of size as mentioned in drawing & specifications of 1200 liquid depth in brick work of class 75 with cement mortar (1:6), inside plastering 16 mm thick with cement mortar 1:3 with floating coat ofneat cement and rough plaster on outside. Including aluminium bucket as per detail to collect the grease. RCC top slab with 2 nos. 600 x 600 mm dia medium duty, double seal manhole covers with frame (weight of covers & weight of frame 75 Kg), necessary 150 mm thick foundation concrete (1:2:4). | Nos. | 1 | | | |
| | | | | | | |
| 3 | **EARTH WORK** | | | | | |
| | Earthwork in excavation up to specified depth for pipe trench as ordered by the Owner/Engineer in soil of all types (ordinary/ hard soil) in both dry and wet conditions, sand, gravel and soft murrum / completely weathered rock, including dewatering, shuttering, shoring, strutting or any other safe methods for protection of trench, dressing of sides and ramming of bottom, backfilling etc. all complete as specified and as directed by Engineer. | | | | | |
| ~~3.1~~ | ~~**BEDS & SURROUND**~~ | | | | | |
| | ~~Provide granula sand bedding in pipeline or for foundation with sand of approved quality including watering compaction etc complete as directed by engineer.~~ | ~~CU.M.~~ | ~~QR~~ | | | |
| ~~3.2~~ | ~~**Concrete Works for Encasing**~~ | | | | | |
| | ~~Provide cast in situ cement concrete M15 using READY MIX CONCRETE for pipe encasing including dewatering, formwork, compaction with mechanical vibrators, finishing, curing, shuttering etc. complete as directed by Engineer.~~ | ~~CU.M.~~ | ~~QR~~ | | | |
| | | | | | | |
| 4 | **Septic Tank & Associated Accessories** | | | | | |
| | Supplying prefabricated RCC Septic tanks of size as mentioned in drawing & specifications of 1800mm diameter & 2500mm length complying with IS 2470 (Part-1) | Nos | 2 | | | |
| | | | | | | |
| **G** | **STORM WATER DRAIN WORK** | | | | | |
| | | | | | | |
| 1 | Buried Piping - Providing, laying, jointing PVC Foam Core pipe with Class 8 SDR 34. | | | | | |
| 1.1 | 150 mm dia pipe | M | 42 | | | |
| 1.2 | 200 mm dia pipe | M | 24 | | | |


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| | | | | | | |
|---|---|---|---|---|---|---|
| 1.3 | 250 mm dia pipe | M | 64 | | | |
| 1.4 | 300 mm dia pipe | M | 39 | - | - | - |
| ~~1.5~~ | ~~400 mm dia pipe~~ | ~~M~~ | ~~40~~ | | | |
| | | | | | | |
| ~~2~~ | ~~Insitu Concrete **Storm Water Manholes** of the following size including dewatering, excavation, shoring, backfilling, blinding, building in pipes for future connection, with benching. GRP internal liner, bituminous, external water proofing membrane protection, corbelling, supply and installation of standard, Medium Duty manhole cover and frame with clear opening as mentioned below all as shown on Standard detail drawing with Depth not exceeding more than 3.0 m. Complete as required.~~ | | | | | |
| ~~2.1~~ | ~~Internal size 600 mm x 600 mm~~ | ~~Nos.~~ | ~~12~~ | | | |
| 2 | Construction of brick masonry Storm Water Catch Basin providing & fixing Heavy Duty SFRC chamber cover and orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12 mm dia steel bar conforming to IS 1786 etc. complete. | | | | | |
| | Internal size 600 mm x 600 mm | Nos. | 10 | | | |
| | | | | | | |
| 3 | Providing laying, jointing & testing perforated PVC (class III) pipes with 6 to 8 mm holes on the ¾ circumference of the pipe for sub soil drainage. Provision of geo textile wrapping on the pipe & 10 to 15 mm pebble to prevent ingress of fine particles, shall also be made & the installation shall be to the direction of the landscape consultant. | | | | | |
| 3.1 | 110 mm dia pipe | M | 240 | | | |
| | | | | | | |
| | *The following including all fittings, fixings, accessories, cover frame, etc., complete as required, (cont'd)* | | | | | |
| | | | | | | |
| | *All M.S. Angles etc. must be hot dip galvanized.* | | | | | |
| | | | | | | |
| **H** | **CIVIL WORKS / MISCELLANEOUS ITEMS** | | | | | |
| | | | | | | |
| ~~1~~ | ~~Providing and fixing MS hot dip galvanized **PUDDLE FLANGES** fabricated out of 6 mm thick MS plates of suitable size as per drawings and IS:1239~~ | | | | | |
| ~~1.1~~ | ~~25 mm dia (screwed ends)~~ | ~~Nos.~~ | ~~—~~ | | | |
| ~~1.2~~ | ~~50 mm dia (flanged ends)~~ | ~~Nos.~~ | ~~6~~ | | | |
| ~~1.3~~ | ~~65 mm dia (flanged ends)~~ | ~~Nos.~~ | ~~1~~ | | | |
| ~~1.4~~ | ~~80 mm dia (flanged ends)~~ | ~~Nos.~~ | ~~—~~ | | | |
| ~~1.5~~ | ~~100 mm dia (flanged ends)~~ | ~~Nos.~~ | ~~—~~ | | | |
| ~~1.6~~ | ~~150 mm dia (flanged ends)~~ | ~~Nos.~~ | ~~—~~ | | | |
| ~~1.7~~ | ~~200 mm dia (flanged ends)~~ | ~~Nos.~~ | ~~—~~ | | | |
| ~~1.8~~ | ~~250 mm dia (flanged ends)~~ | ~~Nos.~~ | ~~—~~ | | | |
| | | | | | | |
| 2 | Making soak pit of 1.5 m diameter with brick linining in dry joints & coarse aggragate casing with removable slab & sewage pipe inlet from septic tank as shown in drawing. | Nos. | 1 | | | |
| | | | | | | |
| **I** | **ELECTRICAL PANELS** | | | | | |
| | | | | | | |
| 1 | LT PANEL | | | | | |
| | | | | | | |
| 1.1 | SG-CP-DWP-L0001 | No. | 1 | | | |
| | Refer SLD, BH-ZSG-SLD-E-1100 | | | | | |
| | | | | | | |
| 2 | EARTHING | | | | | |
| | Earthing strip/wire from pump room earth bar to equipment | | | | | |
| 2.1 | 25 X 3 mm GI Earth Strip | m | QR | | | |
| 2.2 | 8 Gauge GI wire | m | 25 | | | |
| | | | | | | |
| 3 | CABLING AND TERMINATIONS | | | | | |
| | | | | | | |
| | LT CABLES | | | | | |
| | Include for the complete Supply,installation, Testing and Commisioning of 1100 volt grade XLPE insulated PVC inner sheathed and HR PVC outer sheathed aluminium/copper conductor armoured cables as detailed in the Specifications and on the Drawings ....etc. (cont'd.) | | | | | |
| | | | | | | |
| 3.1 | FR AL XLPE CABLES 1100V | | | | | |
| | | | | | | |
| 3.1.1 | 4C x 300 SQ.MM | m | - | | | |
| 3.1.2 | 4C x 185 SQ.MM | m | - | | | |
| 3.1.3 | 4C x 25 SQ.MM | m | - | | | |
| 3.1.4 | 3C x 70 SQ.MM | m | - | | | |
| 3.1.5 | 3C x 50 SQ.MM | m | - | | | |
| 3.1.6 | 3C x 25 SQ.MM | m | - | | | |
| | | | | | | |
| 3.2 | FR CU XLPE CABLES 1100V | | | | | |
| | | | | | | |
| 3.2.1 | 4C x 4 SQ.MM | m | - | | | |
| 3.2.2 | 3C x 4 SQ.MM | m | 25 | | | |
| | | | | | | |
| 3.3 | CABLE TERMINATIONS | | | | | |
| | | | | | | |
| 3.3.1 | 4C x 300 SQ.MM | no. | - | | | |
| 3.3.2 | 4C x 185 SQ.MM | no. | - | | | |
| 3.3.3 | 4C x 25 SQ.MM | no. | - | | | |
| 3.3.4 | 3C x 70 SQ.MM | no. | - | | | |
| 3.3.5 | 3C x 50 SQ.MM | no. | - | | | |
| 3.3.6 | 3C x 25 SQ.MM | no. | - | | | |
| 3.3.7 | 4C x 4 SQ.MM | no. | - | | | |
| 3.3.8 | 3C x 4 SQ.MM | no. | 4 | | | |
| | | | | | | |
| ~~4~~ | ~~CABLE TRAY~~ | | | | | |
| | | | | | | |
| | ~~PERFORATED TYPE~~ | | | | | |
| | | | | | | |


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| | | | | | | |
|---|---|---|---|---|---|---|
| | Supply and fixing of perforated type factory fabricated GI cable trays of the following sizes including providing GI suspenders and supports as per specifications. | | | | | |
| | | | | | | |
| | | | | | | |
| 4.1 | 50mm wide Cable Tray with Cover | M | 10 | | | |
| 4.2 | 100mm wide Cable Tray with Cover | M | — | | | |
| 4.3 | 150mm wide Cable Tray with Cover | M | — | | | |
| 4.4 | 300mm wide Cable Tray with Cover | M | — | | | |
| 4.5 | 450mm wide Cable Tray with Cover | M | — | | | |
| 4.6 | 600mm wide Cable Tray with Cover | M | — | | | |
| | | | | | | |


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